PUBLIC WORKS SECRETARIAT

Reviews the Administration Report of the Public Works Department for the year 1950-51.

READ—

Correspondence ending with U.O. No. 247 dated 28th August 1952, from the Chief Engineer forwarding the Adiministration Report of the working of the P.W.D. for the year 1950-51.

ORDER No. P.W. 8629-8730—B. 3-52-1, DATED BANGALORE, THE 22ND DECEMBER 1952.

Recorded.

2. Sri M. N. Lakshmana Rao, B.A., B.E., continued as Chief Engineer of Mysore till 18th December 1950, when he proceeded on leave preparatory to retirement. Sri B. S. Narasinga Rao, B.A., B.E., continued as Special Chief Engineer and Secretary to Government, Public Works Department, till 13th December 1950, when he proceeded on leave for a period of one month. It was then considered necessary to have a whole time officer possessing technical knowledge and experience in the line as Adviser in charge of Major Irrigation Works including Krishnaraj Sagar Works. The post of Special Chief Engineer was abolished and the post of Adviser was created. Sri B. S. Narasinga Rao, B.A., B.E., was appointed as Adviser in charge of Major Irrigation Works including Krishnaraj Sagar Works with effect from 13th January 1951 and he continued to be Adviser throughout the rest of the year under review.

Sri N. Neelakantappa, B.A., B.E., Superintending Engineer, Cauvery Circle, was appointed to act as Chief Engineer on 18th December 1950. He continued to be the Chief Engineer during the remaining part of the year under review. Sri S. Biligiri Rao, B.E., continued as Deputy Chief Engineer till 18th December 1950, when he was promoted as acting Chief Engineer and posted as Secretary to Government, Public Works and Electrical Departments. Sri K. S. Venkataramanan, B.A., B.E., Superintending Engineer, Shimoga Circle, was appointed as Deputy Chief Engineer with effect from 18th December 1950 and he continued in that post throughout the year.

3. The administration and working of the Department were as per directions contained in G.O. No. 2793-2892—C.B. 93-49-1, dated 27th September 1949, sanctioning the re-organisation of the Public Works Department. The Bureau of Sanitary Engineering, which continued to exist till the end of July 1950, was abolished and that Division was amalgamated with the office of the Controller of Central Stores. Out of the 7 Sub-Divisions which were attached to the Sanitary Bureau, 5 were abolished on 30th June 1950 and the works transferred to the respective Public Works Divisions. Two Sanitary Sub-Divisions were newly formed under the Controller of Central Stores and they began to function from 4th January 1950. The Well Boring Section, which was attached to the Bureau of Sanitary Engineering, was transferred to the Controller of Central Stores on 1st August 1950. A Special Office was sanctioned for the compilation of a P.W.D. Handbook containing up-to-date P.W. specifications and schedule of rates for the guidance of officers in the Department and the services of Sri B. Krishna Rao, retired Superintending Engineer who volunteered himself for the purpose, were availed of for this work.

4. *Grant and Outlay.*—The final grant under all the service heads and debt heads put together for works carried out by the Department for the year under review stood at Rs. 3,47,68,660 and the expenditure booked against this was Rs. 4,39,14,892. The details regarding the grant and outlay under each Service Head and Debt Head are shown in Appendix I to the report.

The final grant under all the Service Heads including grants under Establishment and Tools and Plant stood at Rs. 3,14,11,700 and the total expenditure booked against that was Rs. 3,51,73,130. The expenditure was in excess of the grant provided by Rs. 37,61,430.

5. *Irrigation—(a) General.*—The following are the sources from which funds required to meet the cost of irrigation in the State have been found during the year:—

(i) 23 Irrigation Charged to Revenue.
(ii) Capital from Loan Funds.
(iii) Irrigation Development Fund.
(iv) Irrigation Cess Fund.
(v) 22 (*e*) Charges recoverable from ryots.
(vi) 30 (*b*) Loans under restoration of tanks.

23. *Irrigation.*—The final grant under 23 Irrigation stood at Rs. 73,62,000 and the expenditure incurred by the Department under this Service Head was Rs. 1,04,72,806 including expediture under establishment and tools and plant. The outlay was in excess by Rs. 31,10,806.

A list of 42 important major irrigation works that were under progress during the year under review is furnished under Chapter II of the Report,

(*b*) *Grow More Food Scheme.* —Details regarding important tank and channel works under progress were shown under the heading 'Grow More Food Scheme' in Chapter IV of the report. It is seen that outlay for the year on each work under this heading has been furnished without showing the corresponding grant provided for each work during the year. The progress made on such works during the year could not therefore be gauged. It is reported that an additional extent of 7,958 acres of new lands have been brought under irrigation while water supply has been assured to 812 acres of old atchkat. A further extent of 10,616 acres will be brought under irrigation bringing the total to 18,574 acres under new lands and old lands. Supply will be assured to 1,112 acres. From the statement showing the grant and outlay on big tank works furnished in the report it is seen that the progress on most of the works during the year was satisfactory.

(*c*) *Special projects.*—Details on the progress under the three major projects, Bhadra Reservoir at Lakkavalli, Tunga Anicut works at Sakrebyle and the Nugu Reservoir works near Birwal are furnished in the report under this heading. A Three Man Committee was appointed to go into the question of slowing down the progress of the Lakkavalli Project and according to the recommendations of this Committee a programme was drawn up slowing down the progress and spreading it over a period of six years. This programme was approved and the works were being executed accordingly. An outlay of Rs. 48,78,929 was booked against a grant of Rs. 49,50,000 for all the three special projects put together. The total outlay booked for Bhadra Reservoir, Tunga Anicut and Nugu Reservoir to end of March 1951 was Rs. 73,12,542, Rs. 52,99,218 and Rs. 29,06,793 against the estimated cost of Rs. 20 crores, Rs. 2 crores and Rs. 2·20 crores respectively.

(*d*) *Lift Irrigation in River Valleys.*—The lift irrigation scheme at Harihar was given up as the ryots were not eager for the same. The schemes at Gollahalli and Neelasoge were in progress.

(*e*) *Restoration of Minor Tanks.*—A statement showing the number of tanks in progress during the year, and number restored so far in each District is given in the report. It is seen that 723 tanks were in progress during the year 1950-51, out of which 86 tanks were restored during the year. Besides, about 142 tanks have been brought to a stage so as to afford full irrigation facilities. Desilting work in 4 tanks was completed.

(*f*) *Improvements to river, tank and feeder channels.*—Some of the important works connected with improvements to pick-up channels that were in progress during the year are—

(i) Hebbahalla pick-up channel,
(ii) Keelara pick-up,
(iii) Huluhalla pick-up,
(iv) Gowdagere pick-up,
(v) Mangala pick-up,

Central Government grant to the extent of Rs. 23·75 lakhs was secured during the year for the different schemes under Irrigation like construction of big tanks, restoration of minor tanks, desilting of tanks and improvements to river channels.

Details regarding the progress of major irrigation works are furnished in the report. In some cases the outlay incurred has been noted without giving the corresponding grant. When furnishing the outlay on each work the grant provided for the year for such work should also be noted so as to gauge the progress made during the year.

6. *Krishnarajasagar and Allied Works.*—The main items of works coming under the above heading were—

(i) Maintenance of Krishnarajasagara Dam and Channels.
(ii) Regulation of water due to Madras.
(iii) Protective works under waste weir valleys.
(iv) Execution of Anti-malaria Engineering works.
(v) Maintenance of Visvesvaraya Canal and its branches.

The outlay booked under the major service head "38 Krishnarajasagar" for both dam works and irrigation works for the year under review stood at Rs. 15,44,260 against a grant of Rs. 24,73,060 resulting in a lapse of Rs. 9,28,800. The final grant under "XXV Krishnarajasagar Reservoir and Allied Works and Visvesvaraya Canal Works" stood at Rs. 6,27,200 against which the expenditure was Rs. 6,73,232. The expenditure was in excess of the total grant by Rs. 46,032.

A table showing the working of the Reservoir during the year is shown in the report. Due to failure of monsoon during 1949 the reservoir level went very low and an unprecedented situation developed calling for utmost vigilance and care for protecting the irrigation lower down and for meeting the requirements for power generation.

The Visvesvaraya Canal and its branches were maintained satisfactorily and water supply to an extent of 85,118 acres under the main and several branches of the canal was given.

The demand under water rate, contribution, etc., under Visvesvaraya Canal was Rs. 77,51,369 against which the amount collected was Rs. 1,36,894 leaving a balance of Rs. 76,14,475 at the end of the year. This is far short of the collection made in the previous year and no explanation is furnished in the report for the fall in the collection. The percentage of collection to the demand made for the year is insignificant, and immediate action is called for to improve the collections.

The special establishment sanctioned for shifting of the villages was continued during the year. A separate P.W. Division was formed with 3 Sub-Divisions exclusively to attend to the improvements of Inter-village Roads in the aggregate area under Visvesvaraya Canal. A detailed programme of works amounting to Rs. 62·5 lakhs spread over a period of 5 years has been drawn up to be executed by the above Division.

7. *Water Supply.*—The three major water works of Bangalore, Mysore and K.G.F. were continued to be under the Water Supply Division, Bangalore. The final grant and outlay for the year under review under the several Service Heads stood as under.—

Service Heads	*Grant Rs.*	*Outlay Rs.*
(i) 39 Industrial Works:		
Chamarajasagar Water Works ...	6,00,000	4,88,695
K.G.F. Water Works	25,000	Nil.
(ii) XXVIII. K.G.F. Water Works working expenses.	1,51,000	1,66,334
(iii) XXX. Chamarajsagar Reservoir and Water Works—old and new.	9,72,900	11,42,278
Total ...	17,48,900	17,97,307
Debt Heads.		
(i) K.G.F. Water Works Depreciation Fund.	90,800	78,196
(ii) Chamarajsagar Water Works Depreciation Fund.	56,200	13,433
Total ...	1,47,000	91,629

A list of 14 important capital works that were under execution is furnished in the report.. The grant available during the year for each of the works shown in the list should have been furnished to gauge the progress secured during the year. Under Bangalore water supply the revenue collected was Rs. 12,89,037-8-7 against a total demand of Rs. 27,73,653-11-0 leaving a balance of Rs. 14,84,616-2-5. Action to collect the heavy balance outstanding should be taken immediately.

The Bureau of Sanitary Engineering continued to maintain the water supply installations in the several towns in the State till the end of July 1950 when that was abolished and that Division was amalgamated with the Office of the Controller of Central Stores. The water supply and drainage works in progress were transferred to the other P.W.D. Divisions. The Well Boring Section that was under the Bureau of Sanitary Engineering was brought under the charge of the Controller of Central Stores. All the 12 drills under the charge of the Well Boring Section were engaged throughout the year in putting up bore wells. Works connected with 14 new bore wells were taken up during the year.

8. *Drainage and water supply works.*—Underground drainage works in Chitaldrug Town, Nanjangud Town and Mandya Town and works connected with the improvements to water supply to Tiptur Town, Koratagere Town, Nanjangud Town and water supply to Bellara Gold Mines, were under progress during the year.

9. *Acreage Cess.*—The maintenance of 15 tanks were attended to during the year out of the above cess.

10. *Irrigation Cess Fund.*—The expenditure under this head was Rs. 1,80,126 against a grant of Rs. 51,000.

11. 22 (*a*) *Charges recoverable from ryots.*—The expenditure under this was Rs. 70,885 against the amount of Rs. 58,000 available.

12. 30 (*b*) *Loans for the Restoration of Tanks.*—The amount available was Rs. 2,00,000 against which the expenditure booked was Rs. 10,835.

13. *Buildings.*—24 *Civil Works.*—The final grant under this service head stood at Rs. 66,39,950 and the expenditure for the year was Rs. 81,76,243. The expenditure was in excess over the grant available by Rs. 15,36,293.

The final grant and expenditure for buildings under other service heads for the year under review were as under :—

Service heads	*Grant*	*Expenditure*
	Rs.	Rs.
24 B. Flying School	68,000	22,896
26 Education 11 (*a*) Buildings	7,55,175	4,22,332
28 Industries and Commerce	3,10,000	3,55,353
30 Grants for Public Improvements ...	39,000	1,38,432
31 Army 11 Military Works	47,000	48,459
University Funds	4,27,605	4,57,001
Elementary Education Fund	7,00,000	8,11,582

Details regarding the progress on important building works undertaken as per requirements of the several departments of Government are furnished in the report. The number of important building works that were completed or under progress during the year are classified as hereunder :—

.....	No. of works	No. of works completed	No. nearing completion	No. in progress	Number deferred
Police Buildings	14	6	2	5	1
Education Buildings	25	4	4	16	1
University Buildings	8	2	3	3	...
Medical Buildings	38	19	5	13	1
Military Buildings	9	9	...	...	...
Miscellaneous Buildings ...	28	9	2	16	1

14. *Government Architect Section.*—The working of this section continued to be as usual throughout the year. Type designs and drawings for buildings were

got up and supplied as per requirements of the several departments. It is seen that 44 type designs and 77 special designs for buildings were prepared and supplied by this section. Besides 40 layouts were also prepared and supplied during the year as per requisitions received.

15. *Central Stores proper.*—Stores articles to the extent of Rs. 5,88,681 were purchased and supplied to all the P.W.D. Divisions all over the State as and when indents were received.

16. *Donations.*—A total sum of Rs. 95,136 was received as donation or contribution towards the construction of buildings for the Maternity Hospital at Hadya and Combined Hospital at Sagar.

17. *Revenue.*—The revenue realised during the year by way of rent and sale of buildings and Tools and Plant articles amounted to Rs. 4,96,967.

18. *Communications.*—(*i*) 24 *A. Communications—Roads and Bridges.*—The final grant under this Service Head stood at Rs. 52,29,000 against which the expenditure incurred during the year was Rs. 53,59,738. The expenditure under roads—Original and Repair works together was Rs. 41,60,912 against the grant of Rs. 37,19,000. The outlay under Bridges, Original and Repairs together was Rs. 5,59,827 against the grant of Rs. 8,37,500.

(ii) 28 B. *Rural Development.*—The grant and outlay for works undertaken during the year under this Service Head stood at Rs. 11,62,415 and Rs. 12,83,143 respectively.

(iii) *Roads—Formation, improvements and re-conditioning.*—Out of 18 important works under execution one work was transferred to Mysore District Board and another was not taken up owing to high tender. Out of the balance of 16 works, 7 works were completed, one work was nearing completion and the rest under progress.

(iv) *Cement Concreting of Roads.*—Seven works were under execution, out of which one work was deferred and another work was changed to asphalting. Out of the remaining, 3 works were under progress and 2 works were completed during the year.

(v) *Asphalting of roads.*—17 works were under execution, out of which 5 works were completed, 2 works were almost completed and the remaining 10 works were under progress.

Details regarding the grant and outlay incurred on the above road works are furnished in the report. Besides the above works, about 630 miles were either opened or improved in the Visvesvaraya Canal area.

(vi) *Bridges.*—Of the 27 bridge works of which details are furnished in the report, 4 works were not taken up during the year. Out of the remaining works under execution, 10 works were completed, one work was nearing completion and 12 works were under progress during the year.

19. *Railway Cess Fund.*—The expenditure booked under this head during the year was Rs. 2,91,851 against the amount of Rs. 2,53,855 available.

20. *Sugarcane Cess Fund.*—The expenditure under this head during the year was Rs. 5,81,223 against the amount of Rs. 5,00,000 available.

21. *General.*—It is seen from Appendix I of the report that the charges under establishment under all the Service Heads put together stood at Rs. 44,27,533 against a grant of Rs. 29,71,672. The expenditure under establishment was in excess over the grant by Rs. 14,55,861. No explanation has been furnished for this excess expenditure.

The Accounts in the Division Offices were reported to be in arrears during the year. What action was taken to get the arrears cleared by posting experienced staff has not been reported.

There has been inordinate delay in the submission of the report under review to Government in spite of several reminders pointing out the importance of the matter. The Departmental Officers have failed in respect of keeping up the time scheduled for the submission of the report. The grant and outlay figures furnished in the report, that was submitted first, were not agreeing with the figures in the books of the Accountant General's Office and there has been a lot of delay in getting the difference in the figures reconciled. This would not have taken place if the

periodical grant and outlay statements that were being received from the Accountant General's Office were properly kept and the figures required for the report taken from those statements. While complying with the request for verification of figures, the Accountant General has clearly pointed out, that verification of figures required for the Administration Reports is not one of the normal functions of the Audit Department. It is therefore necessary to arrange for regular reconciliation of departmental figures with the Audit Office figures. Proposals for sanctioning and posting an Accounts Assistant with necessary staff for maintaining correct grant and outlay figures in the Central Office are separately under consideration. The Chief Engineer is requested to insist on the correct maintenance of the grant and outlay figures in the registers of his office as well as in the subordinate offices. Any delay in the submission of future Administration Reports will be seriously noticed.

The work of the Department for the year under report, in general, has been satisfactory.

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Public Works Department.